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Ile Trp Leu Ala Ala Pro Arg Glu Asn Glu Lys Pro Phe Ile Asp Ser
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35 40 45
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Tyr Leu Gln Ser Glu Glu Tyr Ser Val Lys Ser Cys Pro Glu Asp Cys				
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Lys Ile Val Tyr Lys Ala Trp Leu Cys Ser Gln Tyr Phe Glu Val Thr				
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Tyr Gly Gly Leu Ser Ser Phe Ile Cys Thr Gly Leu Tyr Glu Thr Phe				
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35          40          45
Thr Val Leu Leu Ser Asp His Leu Trp Phe Cys Ala Glu Ala Lys Leu
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Thr Arg Ala Arg Asp Lys Glu His Gln Gln Gln Gln Arg Gln Gln Gln
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Gln Gln Gln Gln Gln Arg Gln Arg Gln Gln Gln Gln Gln Gln Arg
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15

<210> 26

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide moCTGR1511

<400> 26

tgtcctcgag cgtgggg

17

<210> 27

<211> 27

<212> DNA

<213> Artificial Sequence

0900536-0344

<220>
<223> oligonucleotide moCTGLR20

<400> 27
cggaggaggg gatacggaaa ttaaacc 27

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<210> 28
<211> 25
<212> DNA
<213> Artificial Sequence
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<220>
<223> oligonucleotide moCTG1440

<400> 28
 tgggtcactg ctgctctgtg ccaag 25

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<210> 29
<211> 20
<212> DNA
<213> Artificial Sequence
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<220>
<223> oligonucleotide moCTG5RACE1
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<400> 29
tcacagtgtc ctcggccact 20
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<210> 30
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<213> Artificial Sequence
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<220>
<223> oligonucleotide moCTG5RACEn

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<400> 30
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<211> 983
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 14
<223> n=a, g, c or t
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<400> 31						
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cagagtactt	gacacaggag	agagaagaaa	tactcatgta	tctgaaagta	ttcaaagggg	120
gagtgttagg	agatgaatta	atttaaaaaa	tgagtaagag	taaaatagtt	taaagttaga	180
ccctgaggaa	ctccagggaa	gacaaaagtaa	cacaaggaac	aagcaatggt	agccactgcc	240
taactttcct	cagggtcctg	tgtgcctcgc	cataattatg	taaacactta	cattgtttaa	300
acgaaattcg	gagaactagt	ttgagtaaag	gggaaaagaa	agtatgttat	tcatgtcgga	360
gttggaataa	tgtgataggt	tgaattcttc	aatttctcta	ttggaaatca	taaagtcata	420
ctgaaacctg	aaaattcaag	aactgacaac	acaattgatg	ttgagatatg	gaatttggtg	480
cctgatgaaa	gattagaaaa	tatttaaaag	caatttcttc	tgggtgggtgc	tacaagatgg	540
aaagaagaaag	gacagaaaagc	tcttcataat	caggtagacg	ctttgacttt	ttaagtggta	600

[illegible]

tgcctatatg	ccttttaaaaa	acaactcaat	ttaaaagaaa	attaagagat	gctaacagcc	660
gatttaaaga	aaatttagta	aaatattcaa	ttgtataaaag	atacacaaaa	tattgggttat	720
ctacatgata	gcaaagatga	attaagggat	ggggataaaa	ctcttctcaa	taacacccaaa	780
attaaaataa	aacataattc	atatatttag	aaatatcatt	acagaaatat	gttgaacttg	840
tattaacagc	ctctcctcaa	aggtagcatg	gagaatcatg	caaacttaat	ttggagatac	900
aaaaaaaaatt	gagaatgtgt	agtgttggtc	tttaattcta	actgtaatgg	ctgaataa	960
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<210> 32

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 298

<223> 99-15663-298 : polymorphic base C or T

<220>

<221> misc_binding

<222> 275..321

<223> 99-15663-298.probe

<220>

<221> primer_bind

<222> 279..297

<223> 99-15663-298.mis

<220>

<221> primer_bind

<222> 299..317

<223> 99-15663-298.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15663.pu

<220>

<221> primer_bind

<222> 430..450

<223> 99-15663.rp complement

<400> 32

tcccaccttc	ttctaaacgt	gttgcttcaa	tacgttgata	ggtgaggaca	cttaaaaatt	60
agactttata	gaaatagggt	tttttttggt	tacatatata	gttcttttgg	tatcatatat	120
ttagcctctt	tctaaaattt	attttttgat	actgaaggga	gaaataggga	gttattaatc	180
aacaggcatt	aatttttagtc	aagcaaaaata	aataagctgt	agcgatctgc	tctgtaacat	240
tgtacctaca	gccacaatt	atatgttgtc	cacttaaaaa	tgtgtagat	ctcatagyaa	300
ctcttcttac	cacaataaag	taaaaattct	gaaacaataa	gtgaatacct	aaataatata	360
aacaaatata	atattgtagt	tttgggcact	taataaatga	cagcctcatt	tctcaattag	420
agatcatcac	aagttagaca	gatgacgatg				450

<210> 33

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 398

<223> 99-15665-398 : polymorphic base A or G

<220>

<221> misc_binding

<222> 375..421

<223> 99-15665-398.probe

<220>

<221> primer_bind

<222> 379..397

<223> 99-15665-398.mis

<220>

<221> primer_bind

<222> 399..417

<223> 99-15665-398.mis complement

<220>

<221> primer_bind

<222> 1..20

<223> 99-15665.pu

<220>

<221> primer_bind

<222> 458..476

<223> 99-15665.rp complement

<400> 33

cgtaaagtgtg	aaaagcatag	cctcttcttg	gaatgttaag	tataaatatc	tgaaatactg	60
ggcttgatat	gtcaacagga	gattgatgga	taaaaataga	attttatata	aaaaacaact	120
ggacatatta	gattgttaac	ttggaagaaa	gaccatattc	aaagaagaaa	acatagtgac	180
taatttcaaa	catttaaagt	cttccctgtg	gaaacaaagg	aatatctttg	ttctaact	240
tcaaagaaca	gggttaaaaa	atagactcac	cacagagtaa	atgcacaatt	gacaatcgtg	300
aatgaattaa	aaaccaaaaca	aaatattttg	tcagctttct	atctatgaaa	ctaagaaaca	360
ggcttcctac	taaggtaatg	aatgtaattc	acagagarca	ttcacgtata	agtttcattc	420
atgtttcaaa	tttcattgat	ttgatcaatg	ggttattcta	ataccctccc	ttattt	476

<210> 34

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 166

<223> 99-15672-166 : polymorphic base C or T

<220>

<221> misc_binding

<222> 143..189

<223> 99-15672-166.probe

<220>

<221> primer_bind

<222> 147..165

<223> 99-15672-166.mis

<220>

<221> primer_bind

<222> 167..185

<223> 99-15672-166.mis complement

<220>
<221> primer_bind
<222> 1..18
<223> 99-15672.pu

<220>
<221> primer_bind
<222> 533..551
<223> 99-15672.rp complement

<400> 34
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tgattattat tatcagtggt attattatcc taatcctaag taatccaata aaagaaaaat 120
acatctgtgc ctgtgcgtat gtgcacgtgt gtgcagtcaa atacaygttg agtaaaggta 180
aagtctagct gtatttaatc aacctacctg aatcctcagg aaaaaattct aaacctagtt 240
taaaacatgt aaactctaag ctctctcctt atagtcagtt agtagcagca catcttaaaa 300
tctgggtgtga atattctctt agttctacat gagtctaact aaacagagga ttattcttag 360
gtgtttgaaa gagacatatg tgacactgct gttttgagaa caatttaagt gttgtcttgt 420
catgtacaga agttctcata ttactttaca taaatggttg cataattgtt ttatagtaaa 480
taatagactg tcaatatttc taggataact ccaaaacaaa atttcctaga mmacattttg 540
aaaaggg 547

<210> 35
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> 185
<223> 99-15664-185 : polymorphic base G or T

<220>
<221> misc_binding
<222> 162..208
<223> 99-15664-185.probe

<220>
<221> primer_bind
<222> 166..184
<223> 99-15664-185.mis

<220>
<221> primer_bind
<222> 186..204
<223> 99-15664-185.mis complement

<220>
<221> primer_bind
<222> 1..19
<223> 99-15664.pu

<220>
<221> primer_bind
<222> 483..502
<223> 99-15664.rp complement

<220>
<221> misc_feature
<222> 54

09607506-080601

<223> n=a, g, c or t

<400> 35

gtttaccatt	agcactgtca	tatttgtgtg	acttgtcatt	ctctacagcg	gagnacgggc	60
tggcacgggg	cctgatgctg	acttgcacaa	gggaagcctc	ctgtctctga	cttccccagg	120
ataattcctg	gggaaagtgt	gctccctagt	gttaagagcg	gtttaatggc	tggaggggt	180
cagckggctg	accaggcaga	gaaggagggt	gaatcacctc	tcagcactct	ccacttagac	240
tttgtgtggt	cgtcgggtgg	tcaaaccctc	taactagtgt	tattgcagat	ttggcattcc	300
agtgcacaaa	aaagacagaa	acacaatggt	cacatgcttt	ccagagatca	cctggatatc	360
agatcatttg	atcttcaagt	aagtcgaaac	cttggtggaa	atcattaact	atcctgttta	420
tgacacaaaa	ataaaatccc	aaattttctc	tcttcatttc	ttacctgctt	taaaattgta	480
tccaaagcgt	graagtaaaa	ga				502

<210> 36

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 205

<223> 99-5919-215 : polymorphic base A or G

<220>

<221> misc_binding

<222> 182..228

<223> 99-5919-215.probe

<220>

<221> primer_bind

<222> 186..204

<223> 99-5919-215.mis

<220>

<221> primer_bind

<222> 206..224

<223> 99-5919-215.mis complement

<220>

<221> primer_bind

<222> 1..19

<223> 99-5919.pu

<220>

<221> primer_bind

<222> 435..455

<223> 99-5919.rp complement

<400> 36

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tttcatcccc	caccaccctg	ccattttctt	cgtgttaact	tgttttctctg	actcacagaa	120
atcacctttt	cctgtataca	tttttaggat	gtcagacttt	attctaataga	tttctcctag	180
ttgcccccca	aaattgtatt	ctacrgtgtg	attttaaagc	tgaattttca	agatgatatt	240
tcatatctat	attttcacaa	gcttttcttc	tatgaatggt	attgtcagct	gtcagggtgt	300
gagatgggtac	ttgatactac	attctttcca	agctgttgcc	tgaatcggtt	taagacaaaag	360
tcattactag	gctgtaaaact	ggtgctctgc	aaaattgagc	agcacgtatt	taaccactca	420
tacttccttag	ctctccaaca	ctttgagtc	ataga			455

<210> 37

<211> 450

<212> DNA

09807506-090604

<213> Homo sapiens

<220>

<221> allele

<222> 157

<223> 99-5862-167 : polymorphic base C or T

<220>

<221> misc_binding

<222> 134..180

<223> 99-5862-167.probe

<220>

<221> primer_bind

<222> 138..156

<223> 99-5862-167.mis

<220>

<221> primer_bind

<222> 158..176

<223> 99-5862-167.mis complement

<220>

<221> primer_bind

<222> 1..20

<223> 99-5862.pu

<220>

<221> primer_bind

<222> 430..450

<223> 99-5862.rp complement

<400> 37

aatcaaggta	gagatgtatg	agaaatagcc	ggttaaagaa	acagcattac	tttcagacta	60
tcttttattt	gaaatacacg	tggggaaacc	agaaggtgaa	accccttagg	agatggatat	120
aggatactaa	aatctgagtt	agaaaaattt	gagcatyagc	accttacgtg	tcatgctaag	180
atagtgaatg	agactgcaca	ggaattgcat	gcagtttaac	ggaaaaagaa	gtcgaaagat	240
aaattcctag	aacactaaca	ccgagttatg	ggaggagaaa	tatcctgcac	aggtcactct	300
gggagacatg	tcaattgttt	agccaatatc	cattttaactc	atctttcttc	ctaatgaaaa	360
ccgaatttgg	agaagcaggt	agtgccctctg	gctagaaata	tgaaccttcc	cagcttctct	420
catgcactga	actgacaaag	ttcagggtctg				450

<210> 38

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 292

<223> 99-16032-292 : polymorphic base A or C

<220>

<221> misc_binding

<222> 269..315

<223> 99-16032-292.probe

<220>

<221> primer_bind

<222> 273..291

<223> 99-16032-292.mis

09207506 000001

<400> 39

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were cultured in YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 1.0 × 10⁸ cells/ml. The cell suspension was then diluted with distilled water to obtain the desired concentration. The cell suspension was then inoculated into the plant tissue. The transformation efficiency was determined by the number of transformants per 100 mg of plant tissue. The data are the mean ± SD of three independent experiments. * indicates a significant difference (p < 0.05) between the control and the treatment.

gttgcttatt	ctttctctct	tctgcagggt	ataaaggaat	ctgaacacga	ctgatatttt	60
ctttaatttt	tagatccaga	tatacattgg	gtaaaaatcta	cttcataggt	tttcaaarga	120
gcattcttct	gagcaaactct	gaaaactctc	taaactctat	tggtatgtta	ctctttatct	180
ttatatgaat	ttaaattctt	ctagaagtta	gataaaactg	tggtaaagct	acataatact	240
tttgacatat	tttcaagcgt	agacaaactt	caattaattt	gtaagatata	ggaagaaaat	300
ttttccagtt	aaaatgtacc	tcttggtttc	tggagtgtta	gcaaccattc	acactttacg	360
ttcaaacagt	gcaaccttgt	aaaacatata	taacttatga	agagatcgat	atctcttttt	420
ataaagcaaa	caagtaaatt	tttcctcaa	tccatgattt	atttttgtga	agtggg	476

<210> 40

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 133

<223> 99-5897-143 : polymorphic base A or C

<220>

<221> misc_binding

<222> 110..156

<223> 99-5897-143.probe

<220>

<221> primer_bind

<222> 114..132

<223> 99-5897-143.mis

<220>

<221> primer_bind

<222> 134..152

<223> 99-5897-143.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-5897.pu

<220>

<221> primer_bind

<222> 475..492

<223> 99-5897.rp complement

<400> 40

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acaggataaa	tcacatcatt	tcctgctcca	tcacagaat	attattatat	gatttagatc	120
acttttttaa	aamagaacat	ggacttagta	cagaacaaca	gcaaaagcct	ggggaaggag	180
aggagtgcac	catgaggagt	caatggggag	cagaagccag	tccatttgac	tgatttggtt	240
cgtgtgcaaa	ataattgcta	aataattgca	tatatgtgag	actccgggta	ttttcaaaac	300
cagctggcaa	aattgtgtta	ttctctaccc	tctgctggct	ttcacggggt	ctctgttctc	360
tctccttttc	ctccattctc	ctcttaccct	aattcctgac	caactgtaatc	caataatcta	420
aggtttttagg	atttggtatga	ctaagggttac	ccatggaatt	gtttggaat	gtagacctgt	480
aatggagagg	ggagaaaa					498

<210> 41

<211> 517

<212> DNA

<213> Homo sapiens

<220>

T090901 905/20960

<221> allele
 <222> 360
 <223> 99-13601-360 : polymorphic base A or G

<220>
 <221> misc_binding
 <222> 337..383
 <223> 99-13601-360.probe

<220>
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 <222> 341..359
 <223> 99-13601-360.mis

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 <222> 361..379
 <223> 99-13601-360.mis complement

<220>
 <221> primer_bind
 <222> 1..19
 <223> 99-13601.pu

<220>
 <221> primer_bind
 <222> 500..517
 <223> 99-13601.rp complement

<400> 41
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 tccctcatta atggtgcctg gatacccaat gcaacacacc tacatcaaac tgcatttgta 120
 actgttggat tcataatgat tctacctaag atgcaagcat acggcatcat tgtgccttgt 180
 tgtatggata tgcttgagaa gtcacatgct gaaatacata tatttttaaat ttgacagtat 240
 ctctacaaat attttcttta tattatagta aggtattaca ttacagttta aaacttatga 300
 ctataagcag gtgatattat ctatgaattt catgtgaaat tagcaaaggg acagtctcar 360
 atgtttgctg tataaagtgt atttgaagcc tgatagggtt gagaaacact cagctacagt 420
 aagtaaaaac agctctctta gtggttgctt tgttgagaag atcttgaaaa caagggtgaa 480
 aatacaaaag aaactgtgtg gagtctacaa agatatt 517

<210> 42
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 97
 <223> 99-13925-97 : polymorphic base A or G

<220>
 <221> misc_binding
 <222> 74..120
 <223> 99-13925-97.probe

<220>
 <221> primer_bind
 <222> 78..96
 <223> 99-13925-97.mis

<220>

03207506 0320501

<221> primer_bind
<222> 98..116
<223> 99-13925-97.mis complement

<220>
<221> primer_bind
<222> 1..20
<223> 99-13925.pu

<220>
<221> primer_bind
<222> 513..533
<223> 99-13925.rp complement

<400> 42
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tacagcagct gaaacctgga aacaactcta atgccertca acagaggaat ggatggataa 120
agaaactgtg atgcagtgga atacgactca acgaagatga gactaaaaat aattatactg 180
agtaaaagaa tccaaacaaa atagagcaaa cactgtgcc aacctgttat accttactcc 240
agtaaatgca aactaataca caatgaaaaa aattacttat ttgagaactg gggagaggaa 300
ggagagggaa aggggtagat aaagaaaaga ggagagatta aaaggagcat aagaaaacct 360
cagagaataa taggtttgtg gtaaacatta ccgtggtaat gtttttaggg tatattcaca 420
tgtaaaaact tatccaatta tacattttta atagtgtacag tttagtgtgt cagttatgcc 480
tctgtaaagt tgatttttaa aaaagtccta ttccaagtym acaatttcat ttg 533

<210> 43
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> 201
<223> 99-13929-201 : polymorphic base A or C

<220>
<221> misc_binding
<222> 178..224
<223> 99-13929-201.probe

<220>
<221> primer_bind
<222> 182..200
<223> 99-13929-201.mis

<220>
<221> primer_bind
<222> 202..220
<223> 99-13929-201.mis complement

<220>
<221> primer_bind
<222> 1..19
<223> 99-13929.pu

<220>
<221> primer_bind
<222> 460..480
<223> 99-13929.rp complement

<400> 43

09807506 090604


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tgtatttctt atgtcctaag gttattaaca aaaagagaaa ataatttctg atttataatt 120
cacttttctt caaaaaataa taactcagtg tctagtaagg taaagcaaaa aaagttaaaa 180
gaacccataa gtttatttta maatacctac tcagaagcaa aactgacttt ctattaaaaa 240
ttaaaaaaaa aagtttttctt attattgttt tgtttccttg tttttagggtg atgggattgt 300
atttgcaact ctctggtcag taagtataaa aatgccattt ctatgcaccc acctggcctg 360
tgtgactggg agaattcttc tttttattaa atgtgcttca agttttaaca actgactttt 420
gttagtgata tgatttatct acccgtgact gtcaaacaac acagatgatt tgcatacttc 480

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<210> 44

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 108

<223> 99-14021-108 : polymorphic base A or G

<220>

<221> misc_binding

<222> 85..131

<223> 99-14021-108.probe

<220>

<221> primer_bind

<222> 89..107

<223> 99-14021-108.mis

<220>

<221> primer_bind

<222> 109..127

<223> 99-14021-108.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-14021.pu

<220>

<221> primer_bind

<222> 460..477

<223> 99-14021.rp complement

<400> 44

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tgctccacac ctgagataat catgtgctta actgcgaaac ttgcttgaca attacagaac 180
actttctcac ccattactac cttgatcctc acaattctgt ggggtagtag gagcagatgc 240
tgaaattgcc atacgcaaact cagtgaactg aagcttagag acctccagca ggggcagagg 300
gtcagcggaa actatcccag ggttcagcca acaagaaagt atattggaat cagagtatta 360
aaataagaat aataaaacca actaaaattt accgtgcttt ttatttccac tcagtgccaa 420
caattcttaa cagtgtcagt gatggatccc tgtgccccag gggacagact tcttact 477

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<210> 45

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> allele

09207506-060601

<222> 314
 <223> 99-14359-314 : polymorphic base G or C

<220>
 <221> misc_binding
 <222> 291..337
 <223> 99-14359-314.probe

<220>
 <221> primer_bind
 <222> 295..313
 <223> 99-14359-314.mis

<220>
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 <222> 315..333
 <223> 99-14359-314.mis complement

<220>
 <221> primer_bind
 <222> 1..18
 <223> 99-14359.pu

<220>
 <221> primer_bind
 <222> 457..475
 <223> 99-14359.rp complement

<400> 45
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 aaagggtgggg gacactcctt ttggaccagc atataatttg gttaaagcct ctctgtttc 180
 acctaatata taagcacatt tcaagataaa actactactt tattgtcatc aaatataaaa 240
 gtaattttttt attcagggtt ttctaatact catctataaa ggcatttctt tcccacatgg 300
 catgtgttac aggstgttta acttaaagca attgtaaaag aaaagcctga agaaataagt 360
 ctacaacgat ttacatcgtg tttatttttg tgtcaaaata tatgttaaaa tatacattag 420
 ctatactaag ggaatcaaga gaagatcata attgctotta tgacttgga tttag 475

<210> 46
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> allele
 <222> 316
 <223> 99-14364-415 : polymorphic base C or T

<220>
 <221> misc_binding
 <222> 293..339
 <223> 99-14364-415.probe

<220>
 <221> primer_bind
 <222> 297..315
 <223> 99-14364-415.mis

<220>
 <221> primer_bind
 <222> 317..335

09807506 0980601

<223> 99-14364-415.mis complement

<220>

<221> primer_bind

<222> 1..19

<223> 99-14364.pu

<220>

<221> primer_bind

<222> 453..473

<223> 99-14364.rp complement

<400> 46

gtgttttaat	tcaaccacgc	tataagatac	gaaatgatag	aattgctcta	gattctctat	60
tggttaaata	aggagatatt	tgtgctattg	ccaataatac	atgctgtacc	tggtataaacc	120
cctttgggca	agttgtgatg	caaataactca	agaaaatagg	ccacatagtt	acaacaggac	180
ttacctaatt	ccccatgggc	atttggtctga	ttcagtcagt	tgctttcaag	cctagggttct	240
tggctcaata	ttattacata	aactagaatt	ttcctattac	tattaatttt	actttgtatt	300
tttctttata	aacttygtac	ttattgcttg	tcaaatttca	gcagaagtac	aactcctgag	360
agaataatgc	tggtcagag	ttttgagatg	ataacccttg	tctatgaaac	tgatgaagtt	420
ggacttaaca	acgaacactc	cccacagaac	tcctgatgct	caaatgtggc	taa	473

<210> 47

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 99

<223> 99-15056-99 : polymorphic base C or T

<220>

<221> misc_binding

<222> 76..122

<223> 99-15056-99.probe

<220>

<221> primer_bind

<222> 80..98

<223> 99-15056-99.mis

<220>

<221> primer_bind

<222> 100..118

<223> 99-15056-99.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15056.pu

<220>

<221> primer_bind

<222> 482..502

<223> 99-15056.rp complement

<400> 47

caggaaactc	acaagaagsc	agatttcctt	cgagcacctc	ctgaataaag	aggcaaaggc	60
cttcttaact	cttacaattt	acaagtggct	atgagtgcyt	ttatagttcc	cataataatt	120
tctccacgta	gacttcctaa	ataataattt	ctcctgtttt	atattctctg	tgcttatgtt	180

T0900-905-09604

tatatcaaac	aagttaccac	ttaatcaaat	gccgatttgc	attgctcact	atgtaacttt	240
aattttcttt	gcctcttatt	tttggatctt	aattctaaaa	ctagatgatc	ataaattcat	300
ttaggaataa	gcttgtgac	tagccttctt	ttgaaccctt	ttgtgctcct	cacaatattt	360
gtttcgatga	aacagtgagc	aacatttgat	ctatgattgt	taatagaaaa	acaccaatgt	420
ctcaagttat	tgtaaacata	ggcataattg	acctttgggt	ctataaatat	gtttgggtgt	480
ccccaaaata	cgtctccctt	tt				502

<210> 48

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 412

<223> 99-15229-412 : polymorphic base A or G

<220>

<221> misc_binding

<222> 389..435

<223> 99-15229-412.probe

<220>

<221> primer_bind

<222> 393..411

<223> 99-15229-412.mis

<220>

<221> primer_bind

<222> 413..431

<223> 99-15229-412.mis complement

<220>

<221> primer_bind

<222> 1..20

<223> 99-15229.pu

<220>

<221> primer_bind

<222> 476..494

<223> 99-15229.rp complement

<400> 48

ctgtcattga	gaaatgctac	caataatact	tagagaattt	gatacaactc	agtctgaaaa	60
agctaagatt	agcagaacag	agctgtctcc	aaatatttga	agaactattt	tatttaaggg	120
attggaccca	tttttgtatg	tagttccaga	ggagcagatg	gtgaccactg	tccaggcaga	180
tgtgtctcaa	tgtaaggaca	acatctgtaa	tattaataat	tagaatgtat	cctgtaattt	240
tctctctacc	cttggaacc	agtcgagatc	cagagtcttt	cactgggagg	cttaaagcct	300
agagcagcct	tggtgctaga	ggcggacagg	gataatgaac	taatcttgaa	ccaattcatc	360
catagcaatc	tcaatgcttt	cgttagctct	tataggtatt	taatacggcc	avaggaatga	420
aggtagtctt	gctggtttag	aagccctgcc	taccacaacc	cctacaccac	cccatccctt	480
gcatagtctg	atgt					494

<210> 49

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 291

09807506-080604

<223> 99-15241-347.mis complement

<220>

<221> primer_bind

<222> 1..19

<223> 99-15241.pu

<220>

<221> primer_bind

<222> 444..464

<223> 99-15241.rp complement

<400> 50

ggtatggggtt gaaaatctct gagttcttgt acatacaaaa attttactgt tgtcacagtt	60
gaatcttagt ttagatgggt ataggatttt tattcaaaaat gcttttactc cataagttta	120
aaaatattgt tacattttcc tcaagtatct gatgttattg atgagaagtt taattctaata	180
ttgactcttg ttcccttgta ggtactattt gttttccagt ttgggaagct tacatttctt	240
aaaattcaca acatataatt tacatactac acaattcttt ttaaagtata caattcaatg	300
catttagtat gtttttagtac atataactta aattatgtat atacaaratc tctttataat	360
attttagtaa tatgtagcat attcacaaga ttgttcaacc atcaccactc tctatttcca	420
gaatcttttc ctccaaaaag aaaccctgaa cactatgatg aata	464

<210> 51

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 196

<223> 99-15244-196 : polymorphic base A or G

<220>

<221> misc_binding

<222> 173..219

<223> 99-15244-196.probe

<220>

<221> primer_bind

<222> 177..195

<223> 99-15244-196.mis

<220>

<221> primer_bind

<222> 197..215

<223> 99-15244-196.mis complement

<220>

<221> primer_bind

<222> 1..20

<223> 99-15244.pu

<220>

<221> primer_bind

<222> 532..550

<223> 99-15244.rp complement

<400> 51

ctgcttctgg ttatgttttc ctaattgccaa aaatggtaaa aatgagaata atcattgaaa	60
gagaaagcat aaagtagcaa aaatcctttc cagattaaaa aacgaagcaa agcatgtttc	120
ccaagtaata atactctcat cttcctccct aatcctttac cccactacca gaagaagagt	180

09407506 080601

```

aaaatgtcgcg gatatrcttg aaggtaaaga tttctccttt taataaaaatt agtcaccttg 240
tacacatcag tagatcttga gaatgaaaag cttttctagt acattcattt caacctataa 300
atgtttgact tttctctgtc attcatttac gacctgtgat cttttcattc cctttcagtt 360
agaatatttt tcaaattttt attgatattt tctatttaac ccatagggtta tttggaaata 420
cattgtttta tttctaatat atttgctttt ttttctactt atttcttttt ttcttaattc 480
cacactgggc caaatatatt ctgcatatga tttaatattt taagttctgt agagactaac 540
cttgtgcctt                                     550

```

<210> 52

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 404

<223> 99-15252-404 : polymorphic base C or T

<220>

<221> misc_binding

<222> 381..427

<223> 99-15252-404.probe

<220>

<221> primer_bind

<222> 385..403

<223> 99-15252-404.mis

<220>

<221> primer_bind

<222> 405..423

<223> 99-15252-404.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15252.pu

<220>

<221> primer_bind

<222> 433..452

<223> 99-15252.rp complement

<400> 52

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atggggggcat atagcaaccc tttagaaaca aaactacaaa aggtaagctt gtcttcttgc 60
atttcctttc tcttactaca tttaacatgg gaggttttct atgtctcaca ttcaaataatt 120
ctcactcggg ctgctaatt tttccctgat tttccatcac tctttatgaa ggcttgctac 180
tttagaatac acattttctt aacagaagat aataatcaga agatgtctcc caaatataag 240
tccaaatctt tcctatcatg ctgtgttctt tggctctttt gactttattt gaagtcagcc 300
ttgaagggga tagagatagg ctgtatgaag tccacgctga gaagttttgc cctgccctac 360
ttgtcctgta atatttcctg gatagcccag tgggtgattaa accygtgtgt acaggaataa 420
ccatgagaat ttgttaaaaa tataggctct gg 452

```

<210> 53

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 382

T03030-3052060

<223> 99-15253-382 : polymorphic base C or T

<220>

<221> misc_binding

<222> 359..405

<223> 99-15253-382.probe

<220>

<221> primer_bind

<222> 363..381

<223> 99-15253-382.mis

<220>

<221> primer_bind

<222> 383..401

<223> 99-15253-382.mis complement

<220>

<221> primer_bind

<222> 1..19

<223> 99-15253.pu

<220>

<221> primer_bind

<222> 459..477

<223> 99-15253.rp complement

<400> 53

aaaatcaatt	ccccaaact	cattttgtac	gctaattttg	taagatcctg	aaaagtttca	60
ctattttatg	gtttcatgtg	ttacagatga	aaaaaaaaact	agaattcaaa	ttttctgagt	120
ttttttttac	aatattttat	gattacaaag	ttagaagact	agaataaaaa	tggcctaatt	180
tccataatgt	gagtggtaaa	tgacagagcac	tggcctaaag	aaaatatttc	aaaaaattag	240
tcatcttttc	cttaattttt	ttccaacctt	tgatctgttg	aatgagcatt	ttgcatatat	300
aaataaataa	attactttgt	aaataatctt	gactggtttc	tggtgaccac	agtaaccac	360
tgacagcac	agcctgtaat	tyctatgaac	ctagggaaat	gtatttaagt	ttattttttg	420
attacacagg	tcctcattgt	gtaactaaac	attgcataga	atatgccagt	gatgatg	477

<210> 54

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 392

<223> 99-15256-392 : polymorphic base C or T

<220>

<221> misc_binding

<222> 369..415

<223> 99-15256-392.probe

<220>

<221> primer_bind

<222> 373..391

<223> 99-15256-392.mis

<220>

<221> primer_bind

<222> 393..411

<223> 99-15256-392.mis complement

<220>
<221> primer_bind
<222> 1..18
<223> 99-15256.pu

<220>
<221> primer_bind
<222> 439..456
<223> 99-15256.rp complement

<400> 54
cctctctatg atgcttccta ttaagcaatt ggggaaatgt aataaacaag ggttggtgag 60
catcttcctt agtgagatgt ttttgaaga attggataat tgagtgaata atagtgagaa 120
actcctgtgt ctgatgttgc tccatgttgg aatgctttta tgttctcaga gaatgagtca 180
ctgagagcca attgtgatga tacacaatgg ttttaccag gttggatatg gtcctctgta 240
ctggtaccct ttaagtcagt ggcactaatc agtcagtcatt tgcattgctt tgtgttggtc 300
catcatatgg tatgccctct tagagaacat cctgattagt ccttagacat cttttcaatt 360
tgaacactgg ggctcctcat tcgggtaaaa aytatggaca gtcagtgaat ctggtgcaat 420
ggccccctcat agcagattgg atctcaatgc actttg 456

<210> 55
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> 200
<223> 99-15261-202 : polymorphic base A or G

<220>
<221> misc_binding
<222> 177..223
<223> 99-15261-202.probe

<220>
<221> primer_bind
<222> 181..199
<223> 99-15261-202.mis

<220>
<221> primer_bind
<222> 201..219
<223> 99-15261-202.mis complement

<220>
<221> primer_bind
<222> 1..19
<223> 99-15261.pu

<220>
<221> primer_bind
<222> 481..501
<223> 99-15261.rp complement

<400> 55
cttctaattcc tttgtttcca cttattttat ttcattcttc attttatccc ttttttctaa 60
attccatttt attatactta aggtgctttt aatatgggta tcatactcct gatagtgtta 120
tttctttctt agtcttctta tataagcgct atacgttcac attccatctc ctttggttat 180
ctttccattt cttcacgar cctctttgct ctcttttttt atagctggtt cactcaaaat 240

09207505 080604

```

gtcttacttt gccatttttg aaattttattt tcattctttt atgtactgaa taaaatttaa 300
aaatacttta tcatggtggg aggtaccogt gatgtccaaa taagtgttta tattaattgt 360
tggtgttttt ttgtttgtgt gttttttgaa aggttaagaa aatctcattc agaaagtaag 420
ttgtttaaaa attctggacc aaattttacca cacatcaagc agatacttac caagttgttt 480
ggtagacatt agcagtattt a 501

```

```

<210> 56
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> allele
<222> 432
<223> 99-15280-432 : polymorphic base C or T

```

```

<220>
<221> misc_binding
<222> 409..455
<223> 99-15280-432.probe

```

```

<220>
<221> primer_bind
<222> 413..431
<223> 99-15280-432.mis

```

```

<220>
<221> primer_bind
<222> 433..451
<223> 99-15280-432.mis complement

```

```

<220>
<221> primer_bind
<222> 1..18
<223> 99-15280.pu

```

```

<220>
<221> primer_bind
<222> 521..541
<223> 99-15280.rp complement

```

```

<400> 56
atgtccatcc atcttgccca gagagagttt ctacaacact tcctctgcaa gccctttccc 60
tacttgctc acctattgct ttcctctgtt acgttgtatt cccctcactg tttcttccaa 120
catcttccca cctcagagca tggacacttg ctgctctttc tgtgtcatga tgctgctcac 180
ttgtcccttt cttaatgtct cctccctgag ccaatcttct ccacccccac aacttacgca 240
cacttacatg tcatattttc cttcatagcc tttaacaoca tttgaaatga tatatatttg 300
attgctttta aaattttctt gtccccccac taaatataaa cttcaggatg gcaagaatgt 360
agtccattat cttattttct cagcctccat acttttaaga aaataaattt tggttgata 420
agccatccag tyagtggtag ttggttatag cacccttagc aaaagaatac aaaaaaggg 480
agaatgtttg caatcatctg tttgaggcta ggaattccca gagaggggaa caaggagtaa 540
t 541

```

```

<210> 57
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> allele
<222> 428

```

T09020-905/0860

<223> 99-15353-428 : polymorphic base C or T

<220>

<221> misc binding

<222> 405..451

<223> 99-15353-428.probe

<220>

<221> primer bind

<222> 409..427

<223> 99-15353-428.mis

<220>

<221> primer bind

<222> 429..447

<223> 99-15353-428.mis complement

<220>

<221> primer bind

<222> 1..18

<223> 99-15353.pu

 $\langle 220 \rangle$

<221> primer bind

<222> 495..514

<223> 99-15353.rp complement

<400> 57

tgggaatgga	ggtagtagac	gatgaggtct	ccacctctg	actttgcaga	gatgggcaag	60
gccaaagtgtt	ggaagggctt	aaacacacac	cggagtattc	tgtgagaacc	agtggatttc	120
agaggatggc	aatgacacca	cttgccctct	gcctcaggag	gataactgat	ggcctgtgtg	180
gggatgcact	ggagagcaag	agctggcttg	caggagagacc	agctggatga	ttttctttca	240
tttattttat	tcattcaaca	cacattcatc	tggggttcac	tctgtgccca	acactgggca	300
tttccaaata	gtccagatgg	cagtaagcat	ggttgtggca	gtaggaatgg	gaaggctggg	360
aggggatga	gaggcattac	aaacgggaag	tgggagtggc	accccgaaa	agtctagttt	420
aagggtgcyag	tggatgtgtg	catgtgtgcg	cgggggtgtc	tagagggtgg	cgggcagctg	480
gaatttqaqg	tcaagtqctt	aaaqaacaac	tcqt			514

<210> 58

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 150

<223> 99-15355-150 : polymorphic base C or T

<220>

```
<221> misc_binding
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<222> 127.173

<223> 99-15355-150.probe

 $\langle 220 \rangle$

<221> primer bind

<222> 131..149

<223> 99-15355-150.mis

<220>

<221> primer bind

<222> 151..169

[illegible]

<223> 99-15355-150.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15355.pu

<220>

<221> primer_bind

<222> 471..489

<223> 99-15355.rp complement

<400> 58

taacttctcc	gtctctcctt	cttagcccat	atgtcaataa	tgactgaaag	tattcatttc	60
catctttaaa	ctgcctatcc	cagccacctc	ccacctccat	ctctttcctt	ctaagttttc	120
ttcatcttct	actttgggca	aaaggaaaty	gatgtgtcag	acaggcctag	ttttgaattc	180
tggatctgct	agcactttct	tgtgtgtcct	tggttatatg	atatagtctt	aaaccttaat	240
gttcttgctt	gtaaaatggg	gataataaaa	acctcttaac	agtgggtggt	tcatgcagct	300
ttcattacaa	acttctctat	tcaaaatctt	caatgatttc	catttttcac	aaaatgaaat	360
tcaaaatttc	tgtagattat	tgagacaagt	cccctactct	tcacctaaat	ttatctttta	420
tttattctct	catcattatc	aacaactact	aggctttgtt	gccttgactc	cagaggcaaa	480
aatcttate						489

<210> 59

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 227

<223> 99-15685-227 : polymorphic base A or G

<220>

<221> misc_binding

<222> 204..250

<223> 99-15685-227.probe

<220>

<221> primer_bind

<222> 208..226

<223> 99-15685-227.mis

<220>

<221> primer_bind

<222> 228..246

<223> 99-15685-227.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15685.pu

<220>

<221> primer_bind

<222> 449..468

<223> 99-15685.rp complement

<400> 59

aaacaaaggc	acgcagagga	taaggcatga	gtccaaccag	cagcatctcc	ctcccgaatg	60
agtacagaaa	tgatcaatac	togaagagaa	aaagatgctt	tcagtgtgct	ttacctgaaa	120

acttccttaa	gcagcttcac	tttattgtca	ggatatcgct	ttgtgtttgt	atcatctaag	180
aaagctcgcg	catatgctag	tgggccagca	ttgacctaga	caaagarcaa	agattttcag	240
ttccactagg	aagaaaatca	ccatgaccat	ctgctcagtt	tcagtttgca	ggcactaaaa	300
agcccgttcg	cgtgagctac	tcacaatccc	tgccctccag	gaacttaagc	ccaaaaagaa	360
accacaaagc	tcactctggt	gcacaccact	tgattccatg	atctcagcca	tcttcagggc	420
acttgtgatg	atggtttact	ttatgtaaga	agaaaccaat	gcttgga		468

<210> 60

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 428

<223> 99-15695-428 : polymorphic base C or T

<220>

<221> misc_binding

<222> 405..451

<223> 99-15695-428.probe

<220>

<221> primer_bind

<222> 409..427

<223> 99-15695-428.mis

<220>

<221> primer_bind

<222> 429..447

<223> 99-15695-428.mis complement

<220>

<221> primer_bind

<222> 1..18

<223> 99-15695.pu

<220>

<221> primer_bind

<222> 481..500

<223> 99-15695.rp complement

<400> 60

atcagccttt	gtgaggagga	ggccctgect	gctctcctcc	tgagctgatg	ggtcagtcac	60
accaggacaa	aggtctgccc	ggggctgtgt	gggttcctcc	ttcctgagct	gcacaccagc	120
atctgctgaa	caacctctgg	agctcagctc	agtgtctcgt	ccagagacac	tggttccctt	180
ggctttctcag	caactctcgg	atctgggccc	gggtctaacc	tcagcgggtg	tcttgcccat	240
ttctagggcc	tcacaattca	gcctcatgtc	ttcacctgtg	gctcttttgc	aaggctcaga	300
aagctctagg	gtcagttcca	gatgactccc	accagcatgc	cagtaggagc	caccaccccc	360
tctcagccag	cgccaccata	ttccaggcaa	attccaactg	acacagactt	caagggaacga	420
ttgtagcygt	tgttcttgct	tcttccaaat	ggaagagtgc	attattgggg	tcccttctag	480
cacgcatttc	attccccacc					500

<210> 61

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> 310

09207506-080501

<220>
 <221> primer_bind
 <222> 1..21
 <223> 99-15870.pu

<220>
 <221> primer_bind
 <222> 452..470
 <223> 99-15870.rp complement

<400> 62
 gctcaaatgt atcaaacaca gtttctgtgg tcaagttcct ctcttttctt aaatttgctt 60
 agaggatctc ataaaacgta actcctctga caagggaacc atttttagcac caacactgca 120
 aaagcttctg tgttcctaag ggaaagatcc tttcctgaat taaatttaac ctcttttagta 180
 ctcccattta gccacctgat aaatccactt gagctatctt ttgggaagag agaggtatct 240
 gggaacaata acacttcctt tttgaacagt ttaataaagc tttgtgagat ttcaagatga 300
 aagataatgt gtaatgctga tagtgccctc caaggctctg cattcatgga tccaattacg 360
 ttttttgtca tggtaaaagc cacagtggat atattaaatr agagtgtggt ttaagaatga 420
 aggcccagga gtctggagat ctggtttcta aggctgactt cacttctgct 470

<210> 63
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> allele
 <222> 287
 <223> 99-16321-287 : polymorphic base A or C

<220>
 <221> misc_binding
 <222> 264..310
 <223> 99-16321-287.probe

<220>
 <221> primer_bind
 <222> 268..286
 <223> 99-16321-287.mis

<220>
 <221> primer_bind
 <222> 288..306
 <223> 99-16321-287.mis complement

<220>
 <221> primer_bind
 <222> 1..20
 <223> 99-16321.pu

<220>
 <221> primer_bind
 <222> 451..469
 <223> 99-16321.rp complement

<400> 63
 cttaggaat atcccttctg atttgaacaa cattttgcta tccaagttct gtctactttt 60
 ttaacaagtt cttgtccgt gtgtctcctt ttgttggtc tcaagtaagg gagtaacagg 120
 gataaactcc cactccttgg taaatctttc tatcattttt ggaaatctca tccattgtag 180
 taaatgctct taaatcttca tcttcaggcc gtgacttcca tctagcctcc attcacgttt 240

cggggtttat	gtctgcaatg	agcattccgt	ggctctacat	agatgcmcca	ccatacctag	300
aacccatgta	tcccaaaactc	aattctttct	ttcccaggac	attacttcct	gcacttcctt	360
agtctatcaa	tggcactggt	attctcttga	ccatctagac	ttgaaatttt	ggggtttgga	420
ctcctctg	tcccttgctt	tatatgtaat	cagacatcaa	gtctcaatc		469

<210> 64
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> allele
 <222> 194
 <223> 99-16333-194 : polymorphic base A or G

<220>
 <221> misc_binding
 <222> 171..217
 <223> 99-16333-194.probe

<220>
 <221> primer_bind
 <222> 175..193
 <223> 99-16333-194.mis

<220>
 <221> primer_bind
 <222> 195..213
 <223> 99-16333-194.mis complement

<220>
 <221> primer_bind
 <222> 1..19
 <223> 99-16333.pu

<220>
 <221> primer_bind
 <222> 524..544
 <223> 99-16333.rp complement

<400> 64	
atttaccctg	60
aggggaattct	120
ccaccaagga	180
gggtttagaac	240
gtgattctca	300
tatcactaaa	360
tcatcaggcg	420
aaggagaaag	480
gtcaatgtta	540
agac	544

<210> 65
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> allele
 <222> 149
 <223> 99-5873-159 : polymorphic base C or T

<220>
 <221> misc_binding
 <222> 126..172
 <223> 99-5873-159.probe

<220>
 <221> primer_bind
 <222> 130..148
 <223> 99-5873-159.mis

<220>
 <221> primer_bind
 <222> 150..168
 <223> 99-5873-159.mis complement

<220>
 <221> primer_bind
 <222> 1..18
 <223> 99-5873.pu

<220>
 <221> primer_bind
 <222> 457..475
 <223> 99-5873.rp complement

<220>
 <221> misc_feature
 <222> 409
 <223> n=a, g, c or t

<400> 65
 gcgtaacaat aagcagggtt agtcgccaca aaacttgaga taagaggaaa actaaaaaag 60
 tctaataaaa tcagtagtct taaaaagatg acatgatagg aagagaagtg ttaaaaaaga 120
 aaaaaaatag gtatgaaaga gagtaacaya taccggaaaa gggataaaat acatcctttg 180
 aaagaacaaa gagttattca aattgaattc ttaatgaatt acttaaacag cagattagat 240
 attgttaaaa agaggaatag ggaattaaat gatatatgtg atgatattac ctagtgtaac 300
 catcaaagat gtattgcaaa tgataaagaa aaaaatgctg ccatggcaat attaatatca 360
 taaaaatata ctttaagaag taaataaatg caactaggaa tagagaaans dvhatgaata 420
 ataatatatta amaaavvgtg taacaagtat acataagatg taatatccta aaccg 475

<210> 66
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> allele
 <222> 49
 <223> 99-5912-49 : polymorphic base A or G

<220>
 <221> misc_binding
 <222> 26..72
 <223> 99-5912-49.probe

<220>
 <221> primer_bind
 <222> 30..48
 <223> 99-5912-49.mis

09607506-030501

<220>
<221> primer_bind
<222> 50..68
<223> 99-5912-49.mis complement

<220>
<221> primer_bind
<222> 11..31
<223> 99-5912.pu

<220>
<221> primer_bind
<222> 494..511
<223> 99-5912.rp complement

<400> 66
aaatataata gtcaaatacat gttaccatta ggacacatta aaaatgtcra attaccttgg 60
gaccttatat gaacatatta agataataat gatagtgttc agtgcaatat tcagatcaat 120
agtttaaacc caaaatattt ataccttcag attagatgta tgcaaatagca ttgattcatg 180
tgtcttttat ctgttggtta catttgagaga aatatttgag aaatatttca aaatggaatt 240
tatataaatt taaacacata atgggttttat gtaaaaatat tgctaaatta cattttcccc 300
ttaattctta tttcttgga acgtgcctta gtcgctgaaa tattcataca ttaacacaat 360
gaaagaagtg aaccttacta ggctttgact atcaggtttg ctgttggttt ttgactattg 420
tgaaactata gcctgatttc taaatcagga agaaacgtgt attgttggtta atatggacac 480
atgacatatt tgtctgcctg acttttgatc c 511

<210> 67
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> 210
<223> 99-6012-220 : polymorphic base G or T

<220>
<221> misc_binding
<222> 187..233
<223> 99-6012-220.probe

<220>
<221> primer_bind
<222> 191..209
<223> 99-6012-220.mis

<220>
<221> primer_bind
<222> 211..229
<223> 99-6012-220.mis complement

<220>
<221> primer_bind
<222> 1..19
<223> 99-6012.pu

<220>
<221> primer_bind
<222> 467..485
<223> 99-6012.rp complement

99-6012-220

<400> 67
 gtcttgactt gttttcctga ggggtccaggt tgatttgcat gctcttgagg aaatatacac 60
 gtctttctcag ttttaataat tgactgacag ccctgtgggt tctcaggacc cagtgagctg 120
 ctgctcccag gtcagtctgc aaaggatgct gggtcccttg tggctctcacc aagggtgagga 180
 atttcttgat ttttagagatt tctttatcck aattttgaag actttctttc acatttctag 240
 gcataaaaaa atgtacagca ctctactgct tgtttaacaa atggatagtg atatatacgc 300
 caacaaagac cacatggagt atttcattga ctatcagaga agtttcctcg aaaggcacca 360
 tacttagtgt tttatttcca tgagtgaagg aaaattagtt atttgaagta tttggctgtc 420
 tttagttgtt tctaaagtag tgctgatttt atatgcccat aatattcata tatacaccca 480
 ggata 485

<210> 68
 <211> 529
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> allele
 <222> 89
 <223> 99-6080-99 : polymorphic base C or T

<220>
 <221> misc_binding
 <222> 66..112
 <223> 99-6080-99.probe

<220>
 <221> primer_bind
 <222> 70..88
 <223> 99-6080-99.mis

<220>
 <221> primer_bind
 <222> 90..108
 <223> 99-6080-99.mis complement

<220>
 <221> primer_bind
 <222> 1..18
 <223> 99-6080.pu

<220>
 <221> primer_bind
 <222> 509..529
 <223> 99-6080.rp complement

<400> 68
 aaatgtgtcc ctgaaaccca tgctatatcc aactgaatat tctaattgtct ttgattacaa 60
 agccatctct agcaatttta tacaattayg aaatggaaaa gttggcaaat gcaaaacaat 120
 agctcgtgtt caaggtatgt ctttattagg ggaagtttat cgaaacagat gtttatgcta 180
 tttcctataa actagattct aaaatatatt attctataaa gatgtattga ctttatatga 240
 aaaaattatt gaaaaatcta caagatgggt aaactcttta gaactatatt tctattacaa 300
 gtttattttt aatttcaaaa atgtactgca taaatgcagc aaaaccttta ttgtcacata 360
 ttaaaacatg tacattattg tgtgcaaatt aaaatttcat taccttaaac caaaaagtga 420
 gttggccaga tagtaaataa tttaggctct aaggctgaaa agcgcttgta ttaattactc 480
 aactccacca ctattttgcc aaagcagtc cagacaatac gcattcaca 529

<210> 69
 <211> 489
 <212> DNA
 <213> Homo sapiens

0907506 000001

<220>
 <221> allele
 <222> 156
 <223> 99-7308-157 : polymorphic base C or T

<220>
 <221> misc_binding
 <222> 133..179
 <223> 99-7308-157.probe

<220>
 <221> primer_bind
 <222> 137..155
 <223> 99-7308-157.mis

<220>
 <221> primer_bind
 <222> 157..175
 <223> 99-7308-157.mis complement

<220>
 <221> primer_bind
 <222> 1..18
 <223> 99-7308.pu

<220>
 <221> primer_bind
 <222> 469..489
 <223> 99-7308.rp complement

<400> 69
 tgtggtctgg atatggtgra ctgtccttca cacacagatg tgggaagcca tgatcatcag 60
 ttgcattatt cctgaggggc aatgcattcc agttacatag aaccagtttc tacgtttcag 120
 ggtatatgta ttcattggtga caaattttatt cacatyttaa gtaatttttaa gtaattcaca 180
 ttttaagtaa ttttcctgaa tgtgcctcat tggcttctgt gcctcttcag aaaagatgaa 240
 ctaaacactg gcataatgtgt tcagatttca acattccgtt gttttcattg tggataaattt 300
 ctgtcccata tttttgtgta aagtttagaca ataaagtgtt aatattctgg cgtcggcaca 360
 ttttctttcc tgataaataa caattcacat atctttttta aatatcagag aatatagtaa 420
 ccaatttcca attctttttt caccatgtat ctattggagt tttaaaatga ctaatactaa 480
 ggcaactat 489

<210> 70
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> sequencing oligonucleotide PrimerPU

<400> 70
 tgtaaaacga cgccagat 18

<210> 71
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> sequencing oligonucleotide PrimerRP

